



Filing Receipt

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TO: PUBLIC UTILITY COMMISSION OF TEXAS

FROM: COLEMAN COUNTY ELECTRIC COOPERATIVE, INC.

DATE: OCTOBER 19, 2021

RE: **PROJECT NO. 52667**

FILING OF ATTESTATIONS DEMONSTRATING COMPLIANCE WITH HB 4150

Coleman County Electric Cooperative, Inc. energizes a 7.2 kilovolt line that crosses a lake listed in PURA § 38.004(b)¹. According to the Texas Parks & Wildlife, Lake Coleman has a surface area of 2,000 feet. Rule 232 of the NESC Standard ANSI (c)(2)² states that "open supply conductors ranging from 750V to 22kV; ungrounded guys exposed to 750 V to 22kV" must have a vertical clearance of 34.5 feet for a 200-to-2000-acre water area.

On October 11, 2021, Coleman County Electric Cooperative verified the 7.2 kilovolt line exceeded the required vertical clearance of 34.5 feet.

¹ Acts 2019, 86th Leg., R.S., Ch. 1320 (H.B. 4150)

²Marne, D. J., & American National Standards Institute. (2002). McGraw-Hill's National electrical safety code (NESC) handbook. New York: McGraw-Hill

Affected Entity: Coleman County Electric Cooperative, Inc.

PROJECT NO. 52667

AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

Synda Smith
Signature

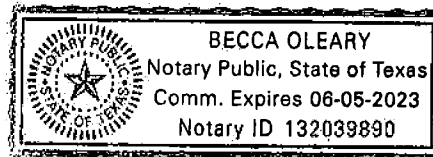
Synda Smith
Printed Name

General Manager
Job Title

Coleman County Electric Cooperative, Inc.
Name of Affected Entity

Sworn and subscribed before me this 19 day of October, 2021.
Month Year

Becca OLeary
Notary Public in and For the State of Texas
My commission expires on 06/05/2023



Project No. 52667

Filing of Attestations Demonstrating Compliance with HB4150 for distribution line over a lake listed in PURA 38.004(b).

Table 232-1

Vertical Clearance of Wires, Conductors, and Cables Above Ground, Roadway, Rail or Water Surfaces²⁵

(Voltages are phase to ground for effectively grounded circuits and those other circuits where all ground faults are cleared by promptly de-energizing the faulted section, both initially and following subsequent breaker operations. See the definitions section for voltages of other systems. See Rules 232B1, 232C1a, and 232D4.)

Nature of surface underneath wires, conductors, or cables	Insulated communication conductors and cable; messengers; surge-protection wires; grounded guys; ungrounded guys exposed to 0 to 300 V ^{11, 15} ; neutral conductors meeting Rule 230E1; supply cables meeting Rule 230C1 (ft)	Noninsulated communication conductors; supply cables of 0 to 750 V meeting Rules 230C2 or 230C3 (ft)	Supply cables over 750 V meeting Rules 230C2 or 230C3; open supply conductors, 0 to 750 V; ungrounded guys exposed to over 300 V to 750 V ¹⁴ (ft)	Open supply conductors, over 750 V to 22 kV; ungrounded guys exposed to 750 V to 22 kV ¹⁴ (ft)	Trolley and electrified railroad contact conductors and associated span or messenger wires	
					0 to 750 V to ground (ft)	Over 750 V to 22 kV to ground (ft)
Where wires, conductors, or cables cross over or overhang						
1. Track rails of railroads (except electrified railroads using overhead trolley conductors) ^{2, 16, 20}	23.5	24.0	24.5	26.5	22.0 ⁴	22.0 ⁴
2. Roads, streets, and other areas subject to truck traffic ²¹	15.5	16.0	16.5	18.5	18.0 ⁵	20.0 ⁵
3. Driveways, parking lots, and alleys	15.5 ^{7, 13}	16.0 ^{7, 13}	16.5 ⁷	18.5	18.0 ⁵	20.0 ⁵
4. Other land traversed by vehicles, such as cultivated, grazing, forest, orchards, etc. ²⁵	15.5	16.0	16.5	18.5	—	—
5. Spaces and ways subject to pedestrians or restricted traffic only ⁹	9.5	12.0 ⁸	12.5 ⁸	14.5	16.0	18.0
6. Water areas not suitable for sailboating or where sailboating is prohibited ¹⁹	14.0	14.5	15.0	17.0	—	—
7. Water areas suitable for sailboating including lakes, ponds, reservoirs, tidal waters, rivers, streams, and canals with an unobstructed surface area of ^{17, 18, 19}						
a. Less than 20 acres	17.5	18.0	18.5	20.5	—	—
b. Over 20 to 200 acres	25.5	26.0	26.5	28.5	—	—
c. Over 200 to 2000 acres	31.5	32.0	32.5	34.5	—	—
d. Over 2000 acres	37.5	38.0	38.5	40.5	—	—